

References

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS1250-5	Serial No.: 09/575,847
	Applicant(s): Wachter et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: May 19, 2000	Group Art Unit: 1652

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>r</i>	AA	Elsiger, Marc Andre et al., "Structural and Spectral Response of Green Fluorescent Protein Variants to Changes in pH", <i>Biochemistry</i>, Vol. 38, Pages 5296-5301, (1999)
	AB	Jayaraman, Sujatha et al., "Mechanism and Cellular Applications of a Green Fluorescent Protein based Halide Sensor," <i>J. Biol. Chem.</i>, 2000 275(9):6047-6050
	AC	Wachter, Rebekka M. et al., "Structural Basis of Spectral Shifts in the Yellow-emission Variants of Green Fluorescent Protein," <i>Structure</i>, Vol. 6, No. 10, Pages 1267-1277 (1998)

References are of record.

EXAMINER <i>N. Shedd</i>	DATE CONSIDERED <i>10/31/02</i>
-----------------------------	------------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

Gray Cary\GT6268010.1
693243-160317

N. Shedd 5/24/05

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS1250-5	Serial No.: 09/575,847
	Applicant(s): Wachter et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: May 19, 2000	Group Art Unit: 1652

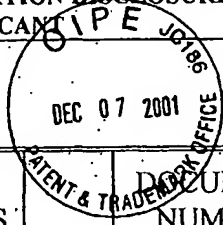
	AB	Wachter, Rebekka M. et al. "Crystal Structure and Photodynamic Behavior of the Blue Emission Variant Y66H/Y145F of Green Fluorescent Protein," <i>Biochemistry</i> , Vol. 36, Pages 9759-9765, (1997). <i>reference of record</i>
NC	AE	Wachter, Rebekka M. et al. "Sensitivity of the Yellow Variant of Green Fluorescent Protein to Halides and Nitrate," <i>Current Biology</i> , Vol. 19, No. 17, Pages R628-R629, (1999).
		9

N. Sheel
5/24/05

EXAMINER N. Sheel	DATE CONSIDERED 10/31/02
----------------------	-----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant:

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS1250-5	Serial No.: 09/575,847
	Applicant(s): Wachter et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: May 19, 2000	Group Art Unit: 1652



U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

NE	AA	Elsiger, Marc-Andre et al., "Structural and Spectral Response of Green Fluorescent Protein Variants to Changes in pH ¹⁴ ," <i>Biochemistry</i> , Vol. 38, Pages 5296-5301, (1999)
NE	AB	Jayaraman, Sujatha et al., "Mechanism and Cellular Applications of a Green Fluorescent Protein-based Halide Sensor," <i>J. Biol. Chem.</i> , 2000 275(9) 6047-6050
NE	AC	Wachter, Rebekka M. et al., "Structural Basis of Spectral Shifts In the Yellow-emission Variants of Green Fluorescent Protein," <i>Structure</i> , Vol. 6, No. 10, Pages 1267-1277 (1998)

EXAMINER NEAchel	DATE CONSIDERED 11/7/02
---------------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449

Gray Cary/AGT/6268010.1
693243-160317

NEAchel 5/24/05

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. REGENTS 1250-5	Serial No.: 09/575,847
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant(s): Wachter et al.	
	Filing Date: May 19, 2000	Group Art Unit: 1652

<i>me</i>	AD	Wachter, Rebekka M. et al. "Crystal Structure and Photodynamic Behavior of the Blue Emission Variant Y66H/Y145F of Green Fluorescent Protein," <i>Biochemistry</i> , Vol. 36, Pages 9759-9765, (1997)
	AE	Wachter, Rebekka M. et al. "Sensitivity of the Yellow Variant of Green Fluorescent Protein to Halides and Nitrate," <i>Current Biology</i> , Vol. 19, No. 17, Pages R628-R629,
		<i>In complete citation. No date for the reference</i>

N. Shedd
5/24/05

EXAMINER <i>N. Shedd</i>	DATE CONSIDERED <i>11/7/02</i>
-----------------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicants Copy*PTO-1449
8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
REGEN1250-5SERIAL NO.
09/575,847INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT:
WACHTER and REMINGTONFILING DATE:
May 19, 2000GROUP:
1633

U.S. PATENT DOCUMENTS

AMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>NE</i>	P1	5,491,084	02/13/96	Chaffie et al.	<i>535</i>	<i>189</i>	
<i>NE</i>	P2	5,625,048	04/29/97	Tsien et al.	<i>536</i>	<i>23.4</i>	
<i>NE</i>	P3	5,777,079	07/07/98	Tsien et al.	<i>530</i>	<i>350</i>	
<i>NE</i>	P4	5,795,737	08/18/98	Seed et al.	<i>435</i>	<i>69.1</i>	
<i>NE</i>	P5	5,804,387	09/08/98	Cornack et al.	<i>435</i>	<i>6</i>	

FOREIGN PATENT DOCUMENTS

AMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>NE</i>	F1	WO 91/01305	02/07/91	PCT				
	F2	WO 95/07463	03/16/95	PCT				
	F3	WO 95/21191	08/10/95	PCT				
	F4	WO 96/23810	08/08/96	PCT				
	F5	WO 96/23898	08/08/96	PCT				
	F6	WO 96/27023	09/06/96	PCT				
	F7	WO 96/27675	09/12/96	PCT				
	F8	WO 97/11094	03/27/97	PCT				
<i>NE</i>	F9	WO 97/26333	01/17/97	PCT				

AMINER

N. Steel

DATE CONSIDERED

9/28/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

N. Steel 5/28/05

PTO-1449
V. 8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

REGEN 1250-5

SERIAL NO.

09/575,847

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT:

WACHTER and REMINGTON

FILING DATE

May 19, 2000

GROUP:

1633

NE	F10	WO 97/28261	08/07/97	PCT				
NE	F11	WO 97/42320	05/07/97	PCT				

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages, Etc.)

NR	D1	Baldwin et al. Biochemistry 29 5509-5915 (1990)
	D2	Challie et al. Science 263 802-804 (1994)
	D3	Cheng et al. Nature Biotechnology 14 606-609 (1996)
	D4	Cody et al. Biochemistry 32 1212-1218 (1993)
	D5	Connack, et al. Gene 173 33-38 (1996)
	D6	Chenonaj et al. Proc. Natl. Acad. Sci. 93 8362-8367 (1996)
	D7	Cramer et al. Nature Biotech. 14 315-319 (1996)
	D8	Cubitt et al. Trends in Biochem. Sci. 20:488-455 (1995)
	D9	Delagrave et al. BioTechnology 13 151-154 (1995)
	D10	Dickson et al. Science 274 966-969 (1996)
	D11	Ehrig et al. FEBS Letters 367 163-166 (1995)
	D12	Giuliano et al. Ann. Rev. Biophys. Biomol. Struct 24 405-435 (1995)
	D13	Heim et al. Proc. Natl. Acad. Sci. 91 12501-12505 (1994)
	D14	Heim et al. Nature 373 663-664 (1995)
	D15	Heim et al. Current Biology 6:178-182 (February 1996)
NE	D16	Inouye and Tsuji FEBS Lett 341 277-280 (1994)

EXAMINER

N. Steel

DATE CONSIDERED

9/28/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

N. Steel
5/24/05

PTO-1449
8-83)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

REGEN1250-5

09/575,847

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT:

WACHTER and REMINGTON

FILING DATE:

May 19, 2000

GROUP:

1633

- ME*
- D17 Kain et al, BioTechniques 19:650-655 (1995)
- D18 Levine et al. Comp. Biochem Physiol. 728 77-85 (1982)
- D19 Mitra et al Gene 173 13-17 (1996)
- D20 Muhlrud et al Yeast 8 79-82 (1992)
- D21 Norris et al Plant Molecular Biology 24 673-677 (1994)
- D22 Niwa, et al. Proc. Natl. Acad. Sci. 93 13617-13622 (1996)
- D23 Orino et al. Science 273 1392-1395 (1996)
- D24 Palm et al. Nature Struct. Biol. 4 361-365 (1997)
- D25 Perozzo et al J. Biol. Chem. 263 7713-7716 (1988)
- D26 Prasher et al. Gene 111 229-233 (1992)
- D27 Roth Thesis from the graduate program in Biochemistry from Rutgers, the state University of New Jersey (October 1985)
- D28 Ward in Bioluminescence and Chemiluminescence (eds DeLucas et al., 235-242 (Academic Press, NY, 1981)
- D29 Ward et al Biochemistry 21 4535-4540 (1982)
- D30 Ward et al Photochem Photobiol. 35 803-808 (1982)
- D31 Yang et al. Nature Biotechnology 14 1246-1251
- D32 Yokoe and Meyer Nature Biotech 14 1252-1256 (1996)
- D33 Zolotukhin et al., 70 4646-4654 (1996)
- ME*
- D34 S. Delagrave and D. Youvan, "Searching sequence space to engineer proteins: exponential ensemble mutagenesis," Bio Technology, 11:1548-1552 (December, 1993).

EXAMINER

Noted

DATE CONSIDERED

9/28/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

Noted 5/24/05